

REMARKS

In reply to the Office Action of July 29, 2005, Applicant submits the following remarks. The specification has been amended to correct a typographical error. Claim 17 has been amended. Claims 30-34 has been added. No new matter has been added. Claims 10-16 are canceled. Claims 1-9 and 17-34, of which 1-9 are withdrawn, are now pending after entry of this amendment. Applicant respectfully requests reconsideration in view of the foregoing amendments and these remarks.

Section 102 Rejections

Claims 17-19, 21-23, 25-26 and 28-29 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,624,568 ("Silvernail"). The applicant respectfully disagrees.

Amended claim 17 is directed to an organic electronic device. The device has a functional area on a substrate, comprising active organic elements. A first flexible multilayer packaging material has a first active polymeric barrier layer that binds moisture and oxidizing agents. The first active polymeric barrier layer includes one or more materials from the group consisting of a polymeric matrix with dispersed cyclodextrines and a polymeric matrix with anhydrides.

Silvernail describes an organic optoelectronic device (OLED) structure with first and second barrier regions 120, 150 that block the transport of oxygen and water from the exterior environment to the OLED 140 (FIG. 1, col. 4, lines 35-38). The first barrier region 120 includes barrier layers, including a planarizing material 121a-c and a high-density material 122a-c, on a substrate 110 (col. 4, lines 51-55). The substrate 110 is formed from a polyester, polyethersulphone, polyimide or fluorocarbon (col. 4, lines 56-63). The second barrier region 150 is formed above the OLED 140 and includes a moisture- and oxygen-absorbing layer 155, planarizing material 151a-d and high-density material 152a-b (col. 5, lines 26-35). The moisture- and oxygen-absorbing layer is a reactive metal (col. 5, lines 37-38). The planarizing material 121a-c, 151a-d is formed of a fluorinated polymer, parylene, cyclotene, polyester or

polyacrylate (col. 4 line 64-col. 5, line 3). The high-density material 122a-c, 152a-b is formed from a metal oxide, metal nitride, metal carbide or metal oxynitride (col. 5, lines 8-13).

Silvernail fails to describe a packaging material that includes an active polymeric barrier layer that binds moisture and oxidizing agents. Moreover, Silvernail fails to describe an active polymeric barrier layer that includes one or more materials from the group consisting of a polymeric matrix with dispersed cyclodextrines and a polymeric matrix with anhydrides. Rather, Silvernail describes polymers that block moisture and oxygen. The polymers are conventional polymers, such as fluorinated polymer, parylene, cyclotene, polyester or polyacrylate, which are not a polymeric matrix with dispersed cyclodextrines or a polymeric matrix with anhydrides. The moisture- and oxygen-absorbing layer 155 is formed from a reactive metal, instead of a polymer. For at least these reasons, the applicant submits that claim 17 is not anticipated by Silvernail. Claims 18-19, 21-23, 25-26 and 28-29 depend from claim 17 and are similarly not anticipated by Silvernail.

Section 103 Rejections

Claims 20, 24 and 27 are rejected as being obvious and therefore unpatentable over Silvernail in combination with either WO 97/47467 ("Mortazavi") or U.S. Application No. 2003/0134460 ("Forbes"). The applicant respectfully disagrees.

Claims 20, 24 and 27 each depend from claim 17 and require the limitations of claim 17.

Mortazavi and Forbes fail to suggest or disclose an active polymeric barrier layer including one or more materials from the group consisting of a polymeric matrix with dispersed cyclodextrines and a polymeric matrix with anhydrides. For at least this reason, the applicant submits that no *prima facie* case of obviousness has been made with respect to claim 20, 24 and 27.

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New Claims

Claims 30-34 are new. Support for claim 30 can be found at page 4, lines 18-22.
Support for claims 31-32 can be found at least at page 2, lines 19-23, page 7, lines 11-15.
Support for claims 33-34 can be found on page 5, line 22 through page 6, line 4.

Please apply the one-month extension of time fee in the amount of \$120.00 and any other required charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: _____

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